

ABSTRACT OF THE DISCLOSURE

An intelligent shape is displayed in conjunction with a CAD application program, wherein the intelligent shape selectively displays positioning and alignment aids on the monitor of the computer to assist a user in operating one or more functions of the host application program. When invoked, and a first object is positioned proximate to a second object on the monitor, plugs of the first object are displayed on the first object. The plugs indicate one or more respective attachment points on the first object. A socket is created on the second object when the plug of the first object is placed proximate to the second object. The socket indicates an attachment point between the first object and the second object.

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10 The first object and the second object are automatically coupling together at the attachment point.

"Express Mail" mailing label number EL540749935US
Date of Deposit June 16, 2000

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